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Date of deferred publication of the search report: 21.12.94 Bulletin 94/51 Applicant: STERLING WINTHROP INC. 90 Park Avenue New York, NY 10016 (US)

(2) Inventor: Na, George C, c/o Sterling Winthrop Inc.
Patent Department,

New York, New York 10016 (US)
Inventor: Rajagopalan, Natarajan, c/o Sterling
Winthrop Inc.
Patent Department,
90 Park Avenue

New York, New York 10016 (US)

Representative: Haile, Helen Cynthia et al Kodak Limited
Patent Department
Headstone Drive
Harrow, Middlesex HA1 4TY (GB)

Novel formulations for nanoparticulate X-ray blood pool contrast agents using high molecular weight surfactants.

(97) A composition comprising nanoparticles containing an x-ray diagnostic compound, having a high molecular weight surfactant as a surface modifier adsorbed on the surface thereof and a cloud point modifier associated therewith and methods of making nanoparticles is described. A preferred surfactant is poloxamine and preferred cloud point modifiers include dimyristoylphosphatidylglycerol and dioctylsulfosuccinate. A method for diagnostic imaging for use in medical procedures comprising administering to the body of a test subject in need of an x-ray an effective contrast producing amount of the above composition is also described.

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EUROPEAN SEARCH REPORT

Application Number EP 93 20 3351

Category	Citation of document with of relevant p	indication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
D,A	EP-A-0 498 482 (ST * page 3, line 18 * page 7, line 1 - * page 10, line 26 * page 11, line 1	line 38 * - line 43 *	1-20	A61K49/04
E	•	ERLING WINTHROP INC.) - page 3, line 18 * - line 25 *	1-9, 14-20	
E	* page 1, line 50 * page 4, line 43 * & FI-A-935 305	•	1-11, 14-20	
E .	* page 2, line 54	ERLING WINTHROP INC.) - page 3, line 16 * - line 52; claims 1-3 *	1-20	TECHNICAL FIELDS SEARCHED (Int.Cl.5)
	* page 2, line 42 - * page 3, line 2 -		1-9, 12-20	
	The present search report has I	been drawn up for all claims Date of completion of the search		Promise
	THE HAGUE	25 October 1994	Ber	te, M
X : parti Y : parti docu A : techi O : non-	ATEGORY OF CITED DOCUME cularly relevant if taken alone cularly relevant if combined with an ment of the same category nological background written disclosure mediate document	E : earlier patent d after the filing other D : document cited L : document cited	ocument, but publi date in the application for other reasons	shed on, or

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